

FORM PTO-1449

INFORMATION DISCLOSURE CITATION

APR 11 2002

Attorney Docket
90023-YSerial Number
10/010,597

Applicant

LEIF et al.

Filing Date

December 6, 2001

Group Art Unit

1654 ~~1654~~

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date
LL	AA	5,373,093	12/13/94	VALLARINO et al.	534 15	03/15/91
LL	AB	5,696,240	12/09/97	VALLARINO et al.	514 15	12/08/94
LL	AC	5,316,909	05/31/94	XU	435 6	03/13/92
LL	AD	6,107,024	08/22/00	SCHAAP	435 6	03/29/91
	AE					

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub-Class	Translation
AF					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

3 TECH CENTER 1600/2900 RECEIVED APR 3 4 2002	AG		Adeyiga, A.M. et al., "Advances in the Development of Lanthanide Macrocyclic Complexes as Luminescent Bio-Markers", <u>Optical Diagnosis of Living Cells and Biofluids</u> , SPIE Proceedings Series, Vol. 2678, pp. 212-220 (1996).
	AH		Melentieva, E.V. et al., "The Analytical Use of the Fluorescence of the Four-Ligand B-Diketone Complexes of Europium and Samarium with Organic Bases", <u>Zh. Anal. Khim.</u> , Vol. XXII, pp. 187-192 (1967).
	AI		Yang Jing-He et al., "Enhanced Luminescence of the Europium/Terbium/Thenoyltrifluoroacetone/1,10-Phenanthroline/Surfactant System, and its Analytical Application", <u>Anal. Chim. Acta</u> , Vol. 198, pp. 287-292 (1987).
	AJ		Jing-He Yang et al., "Application of the Co-Luminescence Effect of Rare Earths: Simultaneous Determination of Trace Amounts of Samarium and Europium in Solution", <u>Analyst</u> , Vol. 114, pp. 1417-1419 (Nov. 1989).
	AK		Jinghe Yang et al., "Fluorescence Enhancement of the Eu-Tb-Benzoylacetone-Phenanthroline System", <u>Anal. Chim. Acta</u> , Vol. 238, pp. 307-314 (1990).
3 TECH CENTER 1600/2900 RECEIVED APR 1 6 2002	AL		Yong-Yuan Xu, "Co-fluorescence of Europium and Samarium in Time-Resolved Fluorometric Immunoassays", <u>Analyst</u> , Vol. 116, pp. 1155-1158 (Nov. 1991).

Examiner

Louisa Lee

Date Considered 10/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609.
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Filing Date

December 6, 2001

Group Art Unit

1654 ~~2010~~

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CC

BA

Yun-Xiang Ci, "Fluorescence Enhancement of the Europium(III)-Thenoyltrifluoroacetone-Trioctylphosphine Oxide Ternary Complex by Gadolinium(III) and its Application to the Determination of Europium(III)", Analyst, Vol. 113, pp. 1453-1457 (Sept. 1988).

CC

BB

Yun-Xiang Ci et al., "Enhanced Fluorometric Determination of Europium(III) with Thenoyltrifluoroacetone and 4,7-diphenyl-1,10-Phenanthroline by Gadolinium(III)", Analytical Lett., Vol. 21(8), pp. 1499-1513 (1988).

CC

BC

Yun-Xiang Ci et al., "Fluorometric Determination of Samarium and Gadolinium by Enhancement of Fluorescence of Samarium-Thenoyltrifluoroacetone-1,10-Phenanthroline Ternary Complex by Gadolinium", Anal. Chem., Vol. 61, pp. 1063-1069 (1989).

CC

BD

Sabbatini, N. et al., "Radiative and Nonradiative Transitions in the Eu(III) Hexaaza Macrocyclic Complex [Eu(C₂₂H₂₆N₆)(CH₃COO)](CH₃COO)Cl₂H₂O", J. Phys. Chem., Vol. 91, pp. 4681-4685 (1987).

CC

BE

Hemmila, I. et al., "Chap. 5, Time-Resolved Fluorometry, in Bioanalytical applications of labelling technologies, A review of trends and new opportunities in biospecific assay, based on the product offering of Wallac, an EG&G company", Edited by I. Hemmila et al. ISBN 951-9489-32-0 (1994).

BF

Lempicki, A. et al., "Europium Chelates as Laser Materials", Proceedings of the Fourth Conference on Rare Earth Research, April 22-25, 1964, LeRoy Eyring (ed.), Gordon and Breach, Science Publishers, pp. 351-361..

BG

Quagliano, J.V. et al., Coordination Chemistry, Lexington, Mass, D C Heath and Company, 1969, page 3.

BH

Melson, G.A., Coordination Chemistry of Macrocyclic Compounds, New York, Plenum Press, 1979, pp. 2-5.

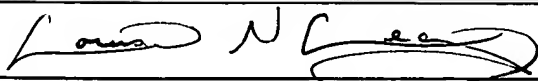
BI

Lindoy, L.F., The chemistry of macrocyclic ligand complexes, Cambridge (UK), Cambridge University Press, 1989, pages 1-4.

BJ

Leif, R.C. et al., "Rare Earth Chelates as Fluorescent Markers in Cell Separation and Analysis", ACS Symposium Series 464m Cell Separation Science and Technology, D S Kompala and P W Todd (eds.), American Chemical Society, Washington DC, 1991, pages 41-58.

Examiner



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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Benetollo, F. et al., "Structure of the [5S, 15S] isomer of the macrocyclic complex $[La(NCS)_3(C_{24}H_{30}N_6)]$ ", *J. Chem. Crystallography*, Vol. 26, pp. 9-13 (1996).

Vallarino, L., "Lanthanide (III) complexes of six-nitrogen-donor macrocyclic ligands with peripheral functionalities", *J. Alloys and Compounds*, Vol. 249, pp. 69-75 (1997).

Benetollo, F. et al., "Constitutional isomers and stereoisomers of lanthanum (III) complex of the dimethyl-substituted six-nitrogen-donor ligand $[La(C_{24}H_{30}N_6)(NCS)_3(H_2O)] \cdot 0.5 H_2O$ ", *Polyhedron*, Vol. 20, pp. 3622-3642 (1998).

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APR 16 2002
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APR 24 2002
TECH CENTER 1600/2900

Date Considered 10/03

Examiner

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